AMENDMENT AND RESPONSE UNDER 37 CFR 1.116

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Title: INDUCTIVE COIL APPARATUS FOR BIO-MEDICAL TELEMETRY

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a communication lead having a first end and a second end, where the first end is communicatively coupled to the first <u>and the second</u> telemetry coil and the second end <u>is</u> adapted to be communicatively coupled to a medical device programmer.

- 2. (Once Amended) The apparatus of claim 1, further including a flexible housing, where the flexible housing encases the first and the second telemetry coils.
- 3. (Once Amended) The apparatus of claim 1, where the first <u>and the second</u> telemetry coils include[s] one or more loops of a conductive wire.
- 6. (Once Amended) The apparatus of claim 5, where the magnetically permeable material is made of a ferrite [(iron-oxide)] powder.
- 7. (Once Amended) The apparatus of claim 1, where <u>a</u>[the] predetermined outer dimension <u>of</u> the first and the second telemetry coils is a diameter in a range of fifteen (15) to forty-six (46) centimeters.
- 23.(Once Amended) An apparatus for communication with an implantable medical device, comprising:

a first and a second telemetry coil, where the first and the second telemetry coil include[s] a predetermined outer dimension sufficient to allow communications between the first and the second telemetry coils and the implantable medical device where the first and the second telemetry coils include[s] one or more loops of a conductive wire, and wherein the first telemetry coil and the second telemetry coil are concentrically planarly wound substantially in a common plane, where the conductive wire is wound around a core, where the core is constructed of a magnetically permeable material that enhances flux density of the apparatus, where the magnetically permeable material includes [is made of] a ferrite [(iron-oxide)] powder; and